

## WHAT IS CLAIMED IS

1. An image data administration apparatus comprising:

a data communication unit connected to at least one terminal equipment of a customer and at least one photographic printer via a network;

an image data memory for memorizing a plurality of image data with respect to each customer transmitted from the terminal equipment;

an image information memory for memorizing at least one information attached and transmitted with each image data;

an image data selector for selecting all image data having a specific information among the image data memorized in the image data memory when the specific information transmitted from the terminal equipment of the customer is received; and

an index image data processor for forming an index image data in which a plurality of thumbnail images corresponding to the image data selected by the image data selector or selected by the customer are arranged in a predetermined order and for outputting the index image data via the data communication unit to at least one of the terminal equipment of the customer and the photographic printer.

2. The image data administration apparatus in accordance with claim 1 further comprising: a print order processor for forming a print order file including instructions to a photographic printer which is instructed by the customer and for transmitting the image data and the index image data with the print order file so as to print



photographic prints corresponding to the image data and an index print corresponding to the index image data.

3. The image data administration apparatus in accordance with claim 1, wherein the information attached with each image data includes at least one of a predetermined date information with respect to a date at which the image data is taken and a predetermined object information with respect to an object in the image.

4. The image data administration apparatus in accordance with claim 1, wherein

the image data selector further has a function secondary for selecting at least one image data among the image data having the specific information corresponding to a selection by the customer when the data communication unit further receives an instruction data corresponding to the selection from the terminal equipment of the customer; and

the index image data processor renews the index image data corresponding to the selection by the customer with using secondary selected image data and outputs renewed index image data to the terminal equipment of the customer.

5. The image data administration apparatus in accordance with claim 4 further comprising: a print order processor for forming a print order file including instructions to a photographic printer which is instructed by the customer and for transmitting the image data and the renewed index image data with the print order file so as to print photographic prints corresponding to the image data and an index



print corresponding to the index image data.

6. An image data administration system comprising an image data administration apparatus, at least one photographic printer and a network for communicating the image data administration apparatus and the photographic printer to at least one terminal equipment of a customer, wherein

the image data administration apparatus further comprises:

a first data communication unit connected to the network so as to communicate with the terminal equipment and the photographic printer;

an image data memory for memorizing a plurality of image data with respect to each customer transmitted from the terminal equipment;

an image information memory for memorizing at least one information attached and transmitted with each image data;

a first image data selector for selecting first image data having a specific information among the image data memorized in the image data memory when the specific information transmitted from the terminal equipment of the customer is received;

a first index image data processor for forming a first index image data in which a plurality of thumbnail images corresponding to the first image data are arranged in a predetermined order and for outputting the first index image data to the terminal equipment of the customer via the first data communication unit;

a second image data selector secondary for selecting at



least one image data among the image data having the specific information corresponding to a selection data transmitted from the terminal equipment of the customer; and

a second index image data processor for renewing the first index image data corresponding to the selection by the customer with using secondary selected image data and for outputting renewed index image data to the terminal equipment of the customer; and

a print order processor for forming a print order file including instructions to a photographic printer which is instructed by the customer and for transmitting the image data and the renewed index image data with the print order file and for outputting them to the photographic printer via the first data communication unit when the second index image data are confirmed by the customer;

the photographic printer further comprises:

a second data communication unit for receiving the image data and the renewed index image data with the print order file from the image data administration apparatus;

an exposing unit for exposing a sensitized surface of a photographic paper by using the image data and the index image data; and

a developing unit for developing the exposed photographic paper for printing photographic prints corresponding to the image data and for printing an index print corresponding to the index image data.

7. The image data administration system in accordance with



claim 6, wherein the terminal equipment of the customer has a monitor display, and a data communication unit of the image data administration apparatus transmits the index image data to the terminal equipment of the customer to be displayed on the monitor display.

8. The image data administration system in accordance with claim 6, wherein the photographic printer further comprises a control unit for calculating forecasted termination time when all the photographic prints instructed in the print order file will be completed, and the second data communication unit transmits the forecasted termination time to the first data communication unit of the image data administration apparatus.

9. The image data administration system in accordance with claim 8, wherein the terminal equipment of the customer has a monitor display, and the first data communication unit of the image data administration apparatus re-transmits the calculating forecasted termination time to the terminal equipment of the customer to be displayed on the monitor display.

10. The image data administration system in accordance with claim 6, wherein the information attached with each image data includes at least one of a predetermined date information with respect to a date at which the image data is taken and a predetermined object information with respect to an object in the image.

11. A method for administrating image data comprising the steps of:



memorizing image data into a specific folder in an image data memory of an image data administration apparatus corresponding to a customer's ID attached with each image data, when the image data are transmitted from a terminal equipment of a customer communicated with the image data administration apparatus via a network;

memorizing at least one information attached and transmitted with each image data into a specific folder in an image information memory of the image data administration apparatus;

selecting all image data having a specific information among the image data memorized in the image data memory when the specific information is transmitted from the terminal equipment of the customer;

forming an index image data in which a plurality of thumbnail images corresponding to the selected image data are arranged in a predetermined order; and

outputting the index image data to at least one of the terminal equipment of the customer and a photographic printer.

12. The method for administrating image data in accordance with claim 11 further comprising the step of forming a print order file including instructions to a photographic printer which is instructed by the customer and for transmitting the image data and the index image data with the print order file to the photographic printer so as to print photographic prints corresponding to the image data and an index print corresponding to the index image data.

13. The method for administrating image data in accordance



with claim 11, wherein the information attached with each image data includes at least one of a predetermined date information with respect to a date at which the image data is taken and a predetermined object information with respect to an object in the image.

14. The method for administrating image data in accordance with claim 11 further comprising the steps of:

secondary selecting at least one image data among the image data having the specific information corresponding to a selection by the customer when an instruction data corresponding to the selection is transmitted from the terminal equipment of the customer;

renewing the index image data corresponding to the selection by the customer with using secondary selected image data; and

outputting the renewed index image data to the terminal equipment of the customer.

15. The method for administrating image data in accordance with claim 14 further comprising the steps of:

forming a print order file including instructions to a photographic printer which is instructed by the customer when a confirming data for confirming the renewed index image data by the customer is received; and

transmitting the image data corresponding to the images included in the renewed index image data and the renewed index image data with the print order file to the photographic printer so as to print photographic prints corresponding to the image data and an index print corresponding to the index image data.



16. A program for administrating image data comprising the steps of:

receiving at least one image data and at least one information attached with each image data which are transmitted from a terminal equipment of a customer via a network;

memorizing the image data into a specific folder in an image data memory corresponding to a customer's ID attached with each image data;

memorizing the information into a specific folder in an image information memory;

receiving a specific information transmitted from the terminal equipment of the customer;

selecting all the image data having the specific information among the image data memorized in the image data memory;

forming an index image data in which a plurality of thumbnail images corresponding to the selected image data are arranged in a predetermined order; and

outputting the index image data to the terminal equipment of the customer.

17. The program for administrating image data in accordance with claim 16 further comprising the steps of:

receiving a instruction data including confirmation of change of the index image data transmitted from the terminal equipment of the customer;

selecting at least one image data among the image data having



the specific information corresponding to the instruction data;

renewing the index image data corresponding to the instruction data by the customer with using secondary selected image data; and

outputting the renewed index image data to the terminal equipment of the customer.

18. The program for administrating image data in accordance with claim 17 further comprising the steps of:

receiving a instruction data including confirmation with respect to the index image data and order with respect to printing of photographic prints from the terminal equipment of the customer;

forming a print order file including instructions to a photographic printer corresponding to the instruction data; and

transmitting the image data and the index image data with the print order file to the photographic printer so as to print photographic prints corresponding to the image data and an index print corresponding to the index image data.

19. The program for administrating image data in accordance with claim 16 further comprising the steps of:

receiving a instruction data including confirmation or change with respect to the index image data from the terminal equipment of the customer;

selecting at least one image data among the image data having the specific information corresponding to the instruction data;

renewing the index image data corresponding to the instruction data by the customer with using secondary selected image data;



forming a print order file including instructions to a photographic printer corresponding to the instruction data; and

transmitting the image data and the index image data with the print order file to the photographic printer so as to print photographic prints corresponding to the image data and an index print corresponding to the index image data.

20. A recording medium recording a program for administrating image data, wherein the program comprising the steps of:

receiving at least one image data and at least one information attached with each image data which are transmitted from a terminal equipment of a customer via a network;

memorizing the image data into a specific folder in an image data memory corresponding to a customer's ID attached with each image data;

memorizing the information into a specific folder in an image information memory;

receiving a specific information transmitted from the terminal equipment of the customer;

selecting all the image data having the specific information among the image data memorized in the image data memory;

forming an index image data in which a plurality of thumbnail images corresponding to the selected image data are arranged in a predetermined order; and

outputting the index image data to the terminal equipment of



the customer.

21. The recording medium recording the program for administrating image data in accordance with claim 20, wherein the program further comprising the steps of:

receiving a instruction data including confirmation of change of the index image data transmitted from the terminal equipment of the customer;

selecting at least one image data among the image data having the specific information corresponding to the instruction data;

renewing the index image data corresponding to the instruction data by the customer with using secondary selected image data; and

outputting the renewed index image data to the terminal equipment of the customer.

22. The recording medium recording the program for administrating image data in accordance with claim 21, wherein the program further comprising the steps of:

receiving a instruction data including confirmation with respect to the index image data and order with respect to printing of photographic prints from the terminal equipment of the customer;

forming a print order file including instructions to a photographic printer corresponding to the instruction data; and

transmitting the image data and the index image data with the print order file to the photographic printer so as to print photographic prints corresponding to the image data and an index print corresponding to the index image data.



23. The recording medium recording the program for administrating image data in accordance with claim 20, wherein the program further comprising the steps of:

receiving a instruction data including confirmation or change with respect to the index image data from the terminal equipment of the customer;

selecting at least one image data among the image data having the specific information corresponding to the instruction data;

renewing the index image data corresponding to the instruction data by the customer with using secondary selected image data;

forming a print order file including instructions to a photographic printer corresponding to the instruction data; and

transmitting the image data and the index image data with the print order file to the photographic printer so as to print photographic prints corresponding to the image data and an index print corresponding to the index image data.